

ABSTRACT OF THE DISCLOSURE

A low voltage micro switch includes a substrate having an actuating space therein; an actuating unit having a piezoelectric material extended in a cantilever beam shape from a portion of the substrate to the actuating space of the substrate
5 and a bias electrode; a conductive signal line extendedly formed at a certain interval from one side of the substrate and having a disconnected portion ; a supporting unit connected to the actuating unit, positioned in the actuating space, and moving according to actuation of the actuating unit; a switching unit formed at
10 the supporting unit and connecting or disconnecting the disconnected portion of the conductive signal line according to movement of the supporting unit; and one or more ground units formed at the substrate.